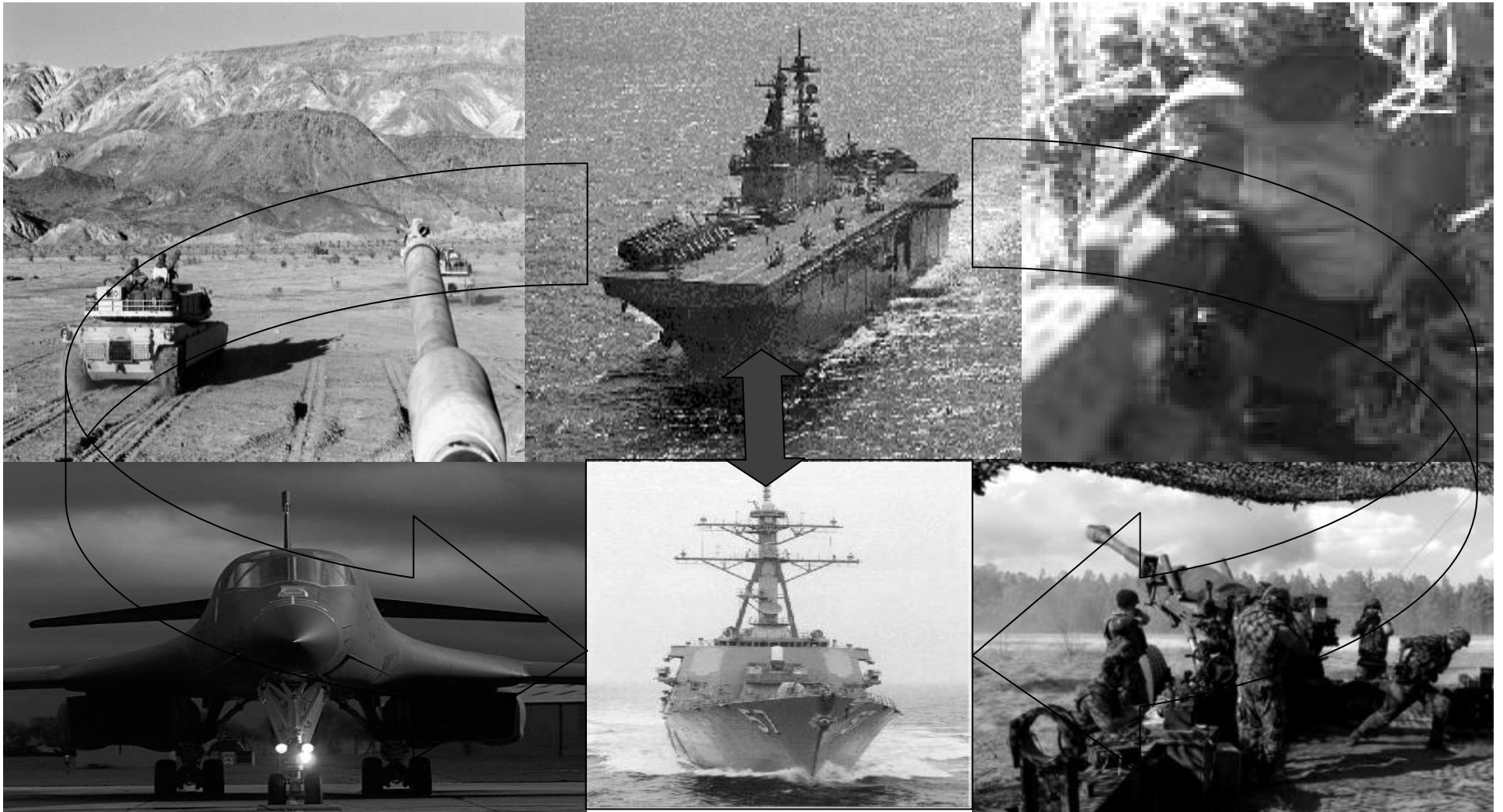
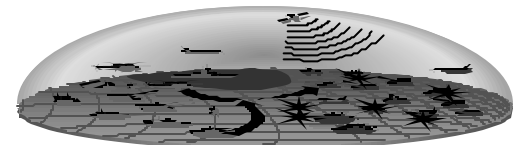


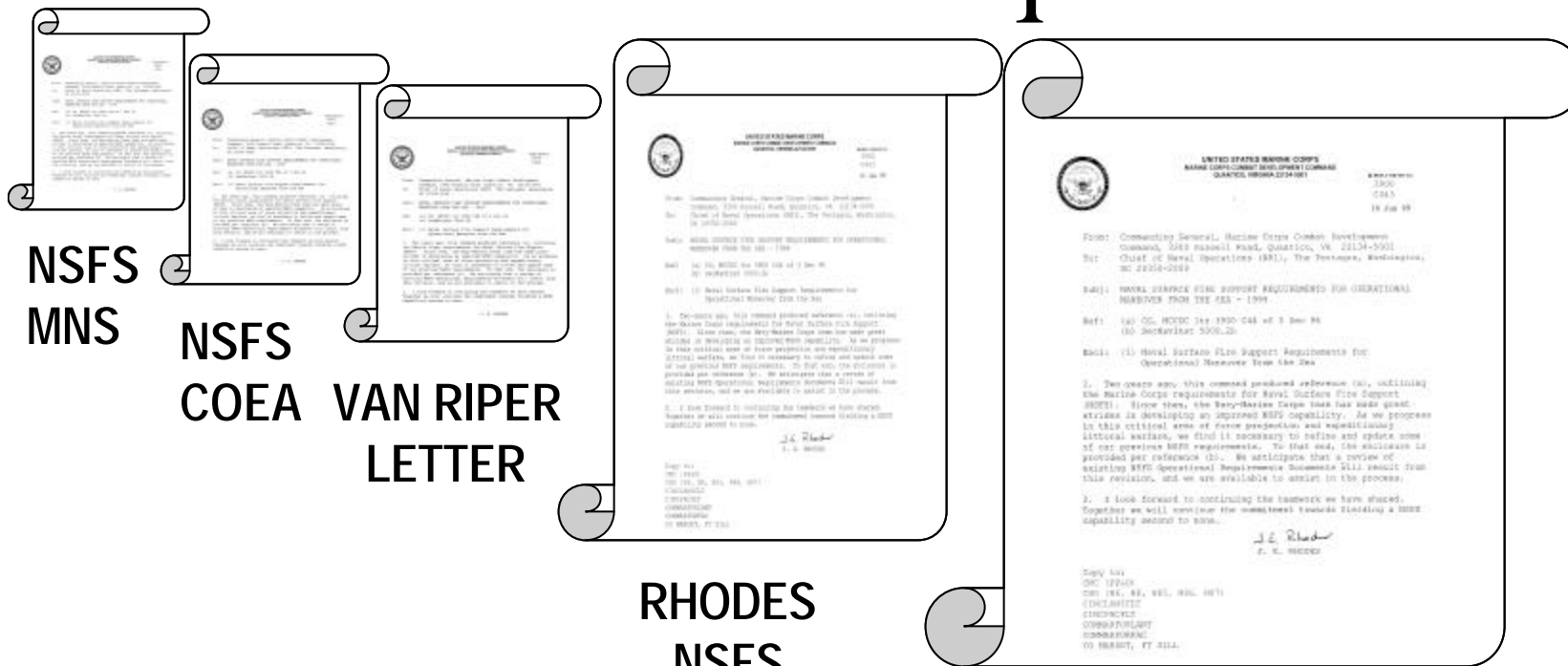
N75 POWER PROJECTION



***Coordinating and Orchestrating Full Spectrum Effects in
Joint Operations***



NSFS C4I Requirements



1992 1993 1996 1999

JOINT INTEROPERABILITY

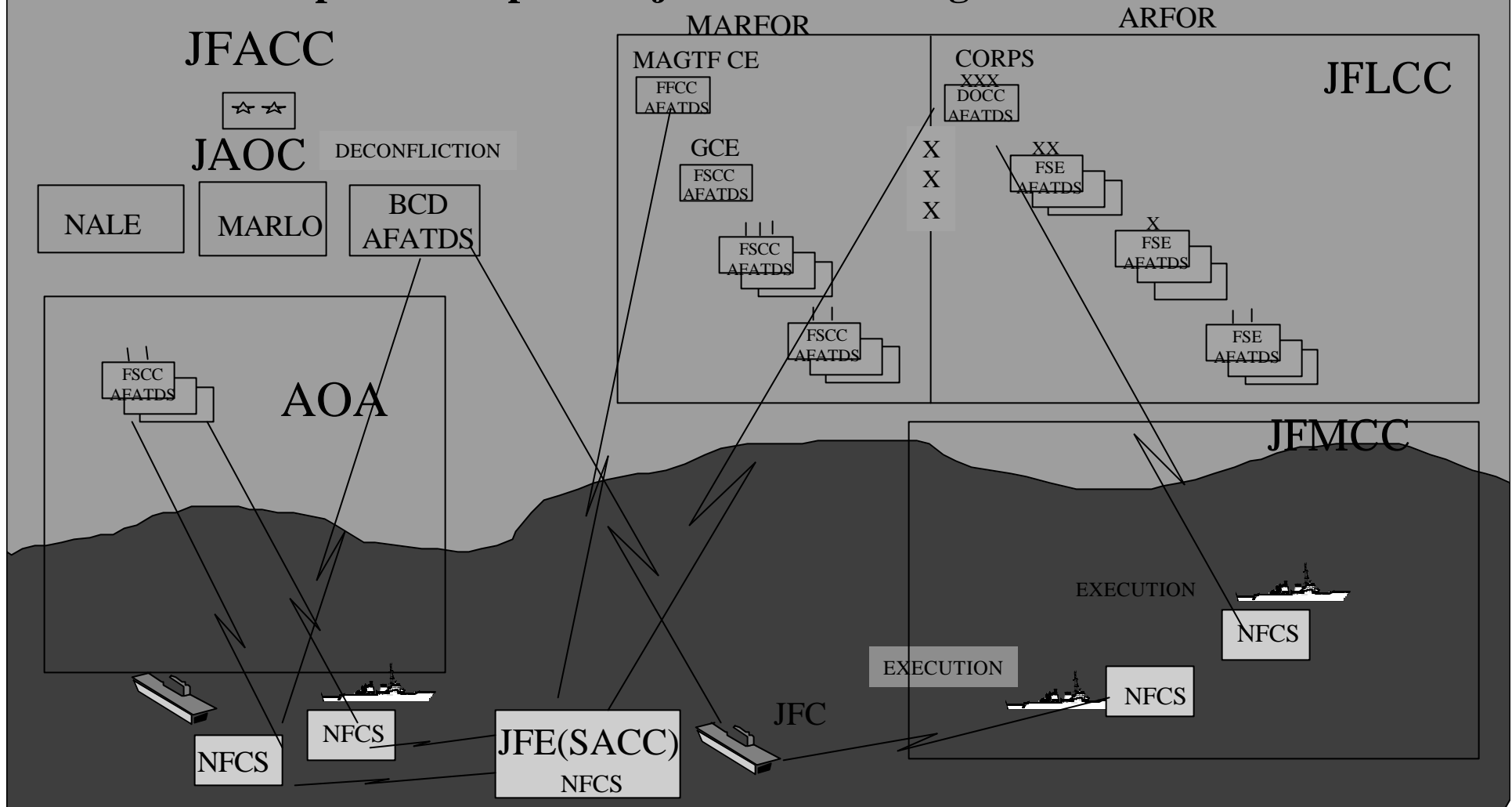
SHIP/ShORE NETWORK

WIDE BAND CAPABILITY

OTH COMM CAPABILITY

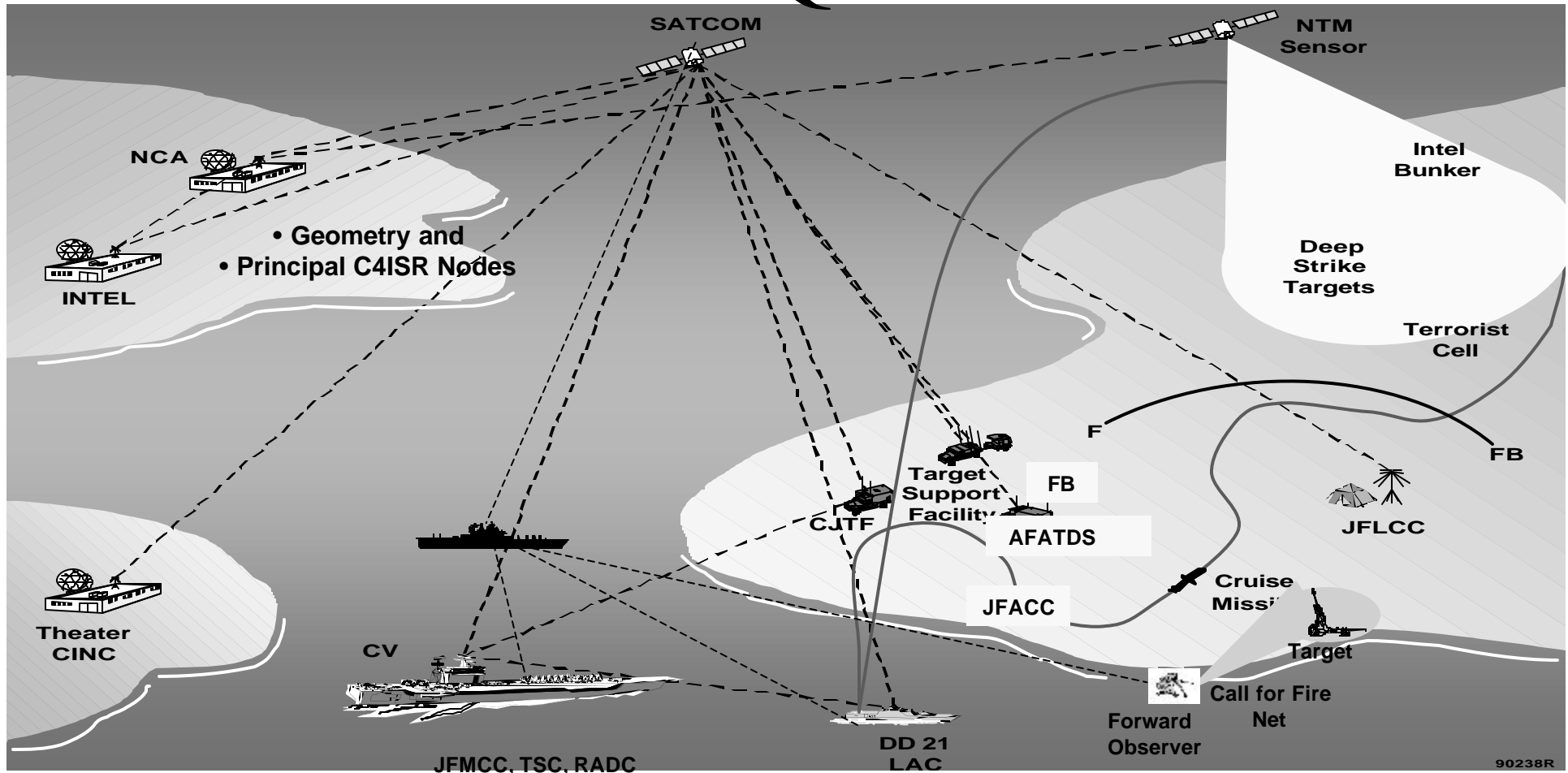
NSFS C4I REQUIREMENTS

Navy and Marine Corps C2 systems must be interoperable with GCCS, compliant with the Joint Technical Architecture and DII-COE and capable of rapid and joint service integration.



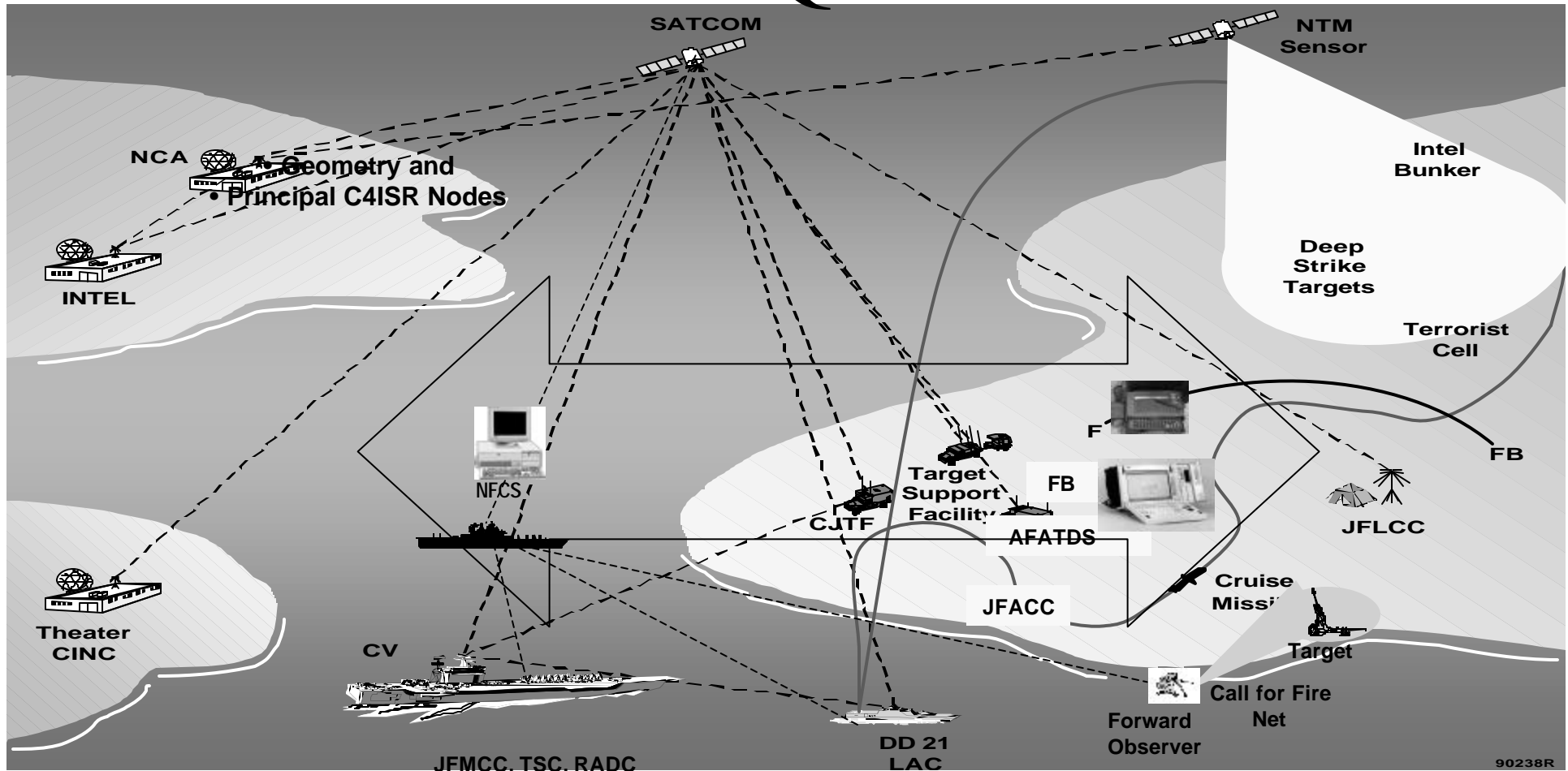
In an amphibious operation, the commander, amphibious task force (CATF) exercises the overall responsibility for coordination of NSFS, air support, and landing force artillery support. - Joint Pub 3-09

NSFS C4I REQUIREMENTS



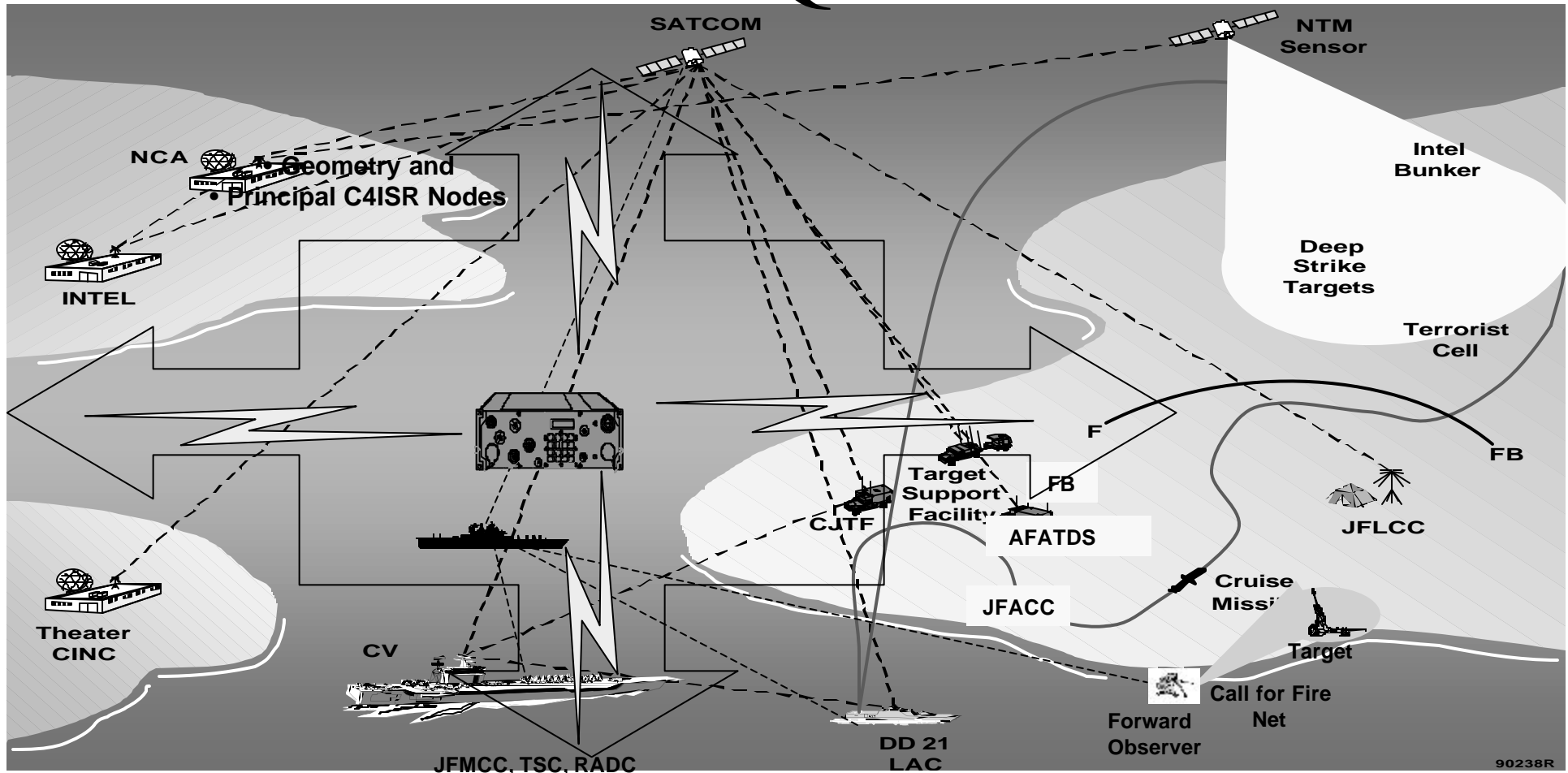
Network routing protocols must be compatible, and interoperable to allow Naval forces to communicate from ship to shore, intra-ship, intra-amphibious force, and reach back to CONUS.

NSFS C4I REQUIREMENTS



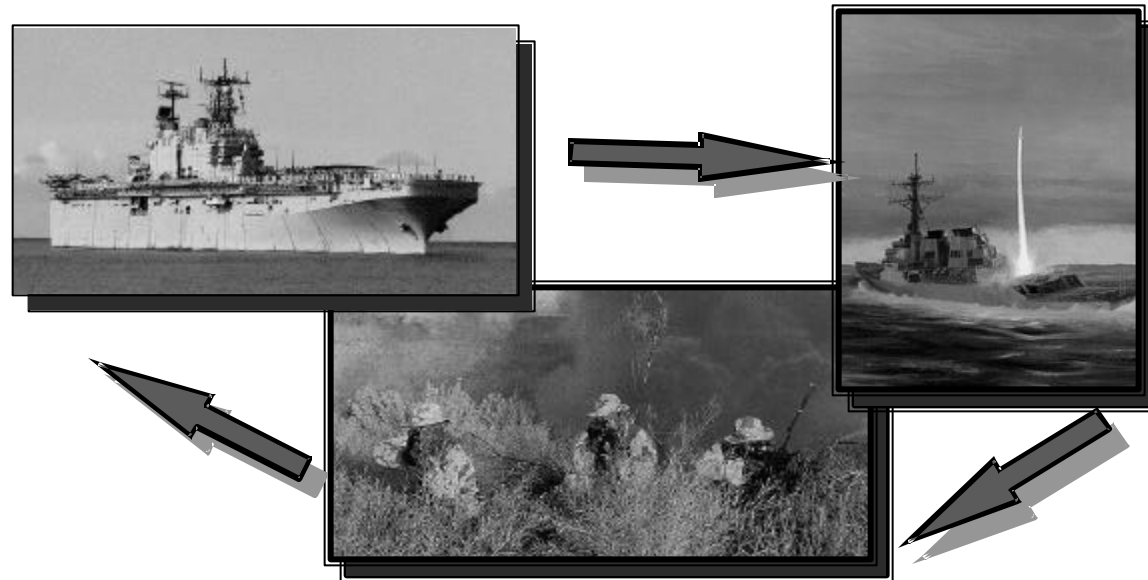
It is essential that all NSFS platforms and amphibious shipping, supported by their communications and networking hub capabilities, have the ability to access, process, and disseminate information from systems ashore.

NSFS C4I REQUIREMENTS



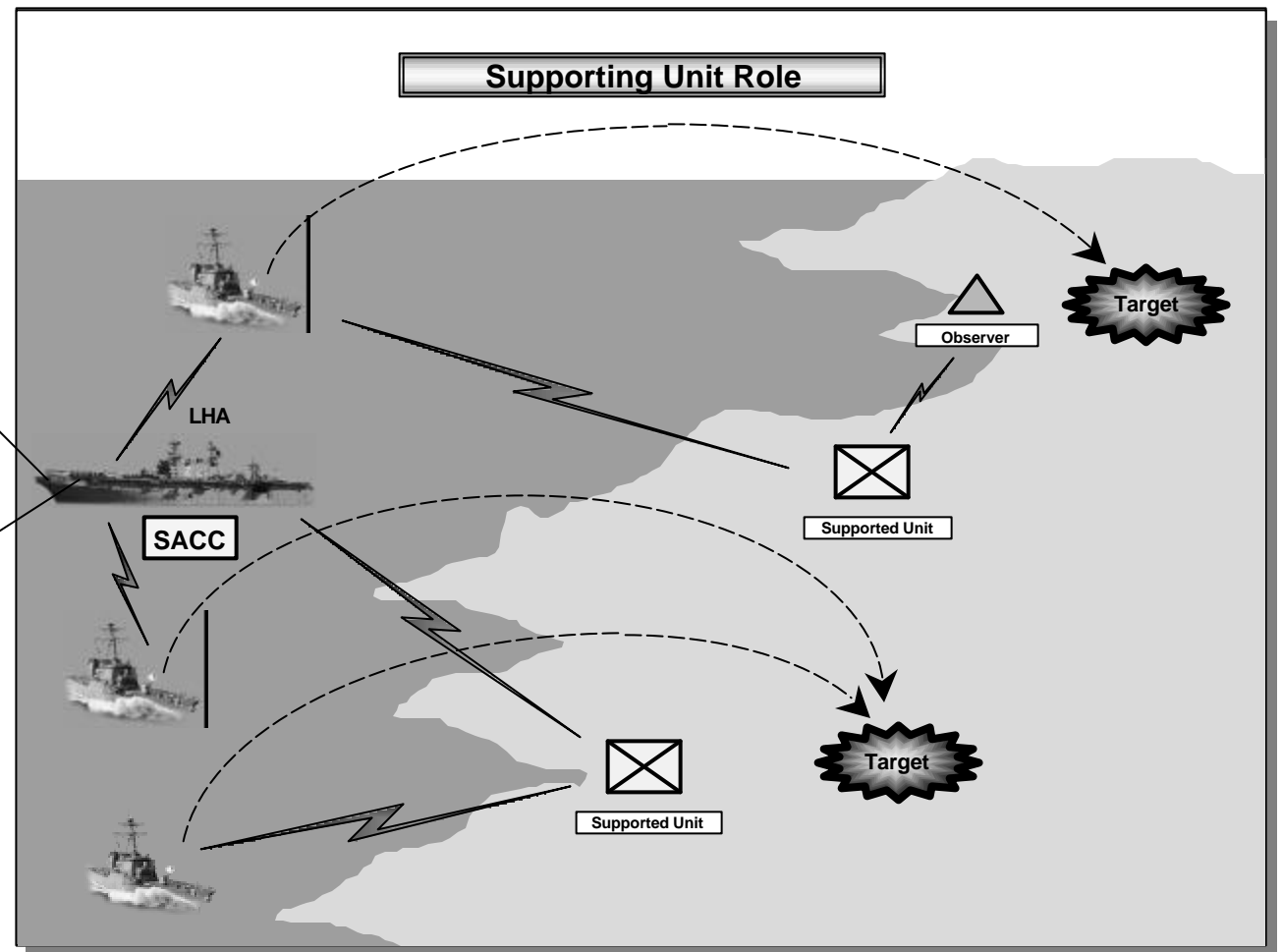
Navy shipboard radio suites facilitating Marine Corps C2 must consist of beyond line of sight and line of sight wideband transmission systems, both ship-to-shore and strategic narrow band establishment.

COMMAND & CONTROL of NAVAL FIRES

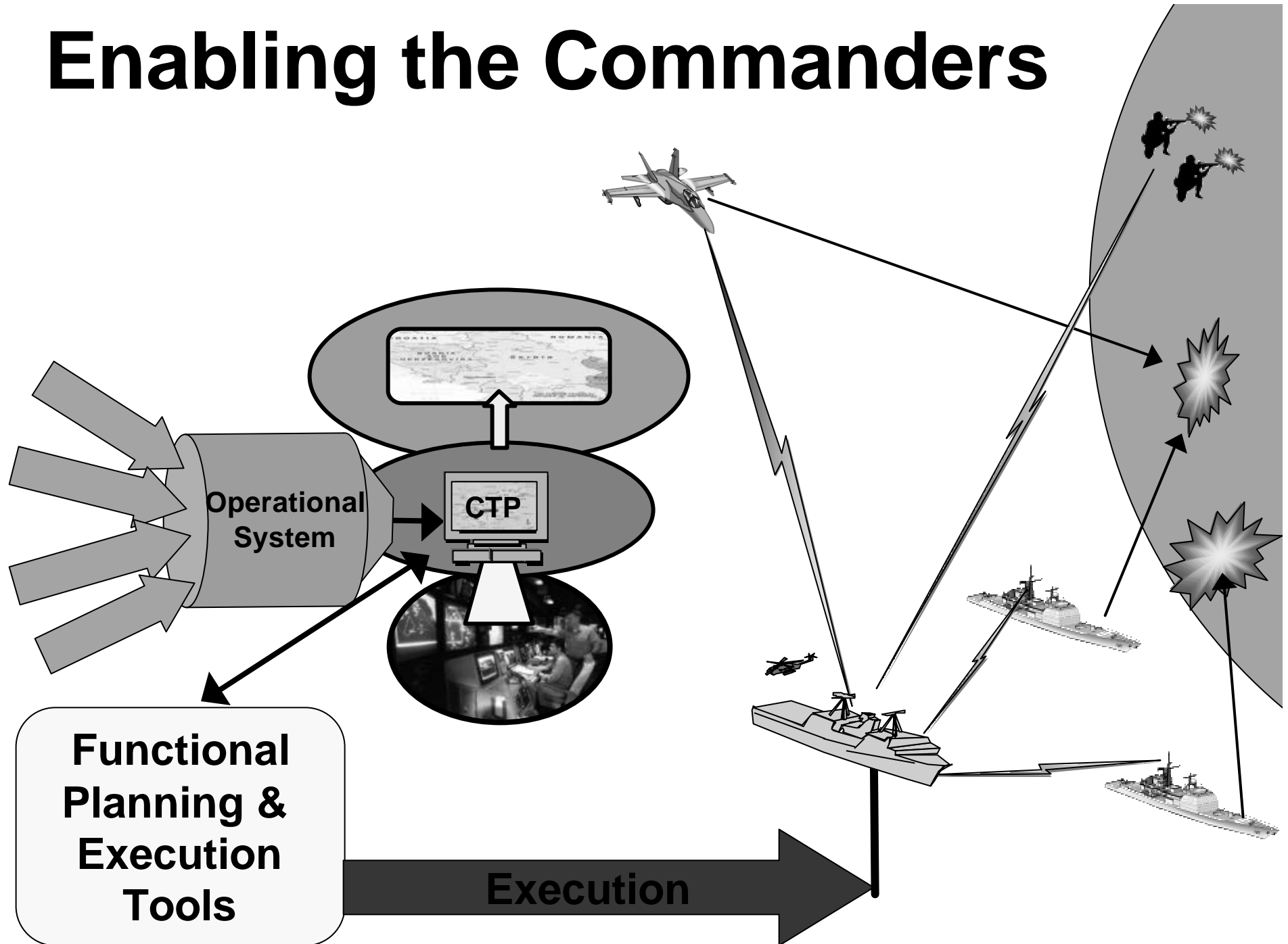


An automated capability is required to coordinate the use of supporting arms in Joint, Amphibious, and Naval Fires operations in order to increase responsiveness and lethality. The system shall automate the functions and tasks performed in the Planning, Execution and Fire Direction Operations of *Naval Fires*

SACC AUTOMATION



Enabling the Commanders



CRITICAL ENABLERS

- **Building a seamless C4I network between Surface Combatants, Amphibs, and forces ashore.**
- **Linking the Tactical architecture of C4ISR systems with the Joint architecture**
- **Matching system concepts with operational concepts**
- **Amphib Ship Systems Integration**

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